BRUHAT BANGALORE MAHANAGARA PALIKE

BYATARAYAPURA DIVISION, YELAHANKA ZONE

Name of Work : Estimate for Emergency Works Maintenance of Road and Drain near singapura Govt School in Ward No. 11 Vidyaranyapura Sub Division.

	Job Code: 011-17-000015	**P0541**				**Total**		**1000000.00**
	Description of item	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	Dismantling size stone masonry in clay mortar and stacking the size stone within a radius of 50 m and removing the debris to a distance upto 200m, **No. 258 / Item No. 37.48 PWD SR 2015-16**	Cum							
	SWD damaged wall		3x2	8.00	0.60	0.90	**25.92**	136.08	**3527.00**
	Basic rate	126.00							
	Area Weightage @ 8%	10.08							
	Total	**136.08**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2015-16**	Cum							
	for SWD Drain bottom		3	8.00	1.80	0.15	6.48		
							6.48	5070.60	**32857.00**
	Basic rate	4695.00							
	Area Weightage @ 8%	375.60							
	Total	**5070.60**							
3	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 23 / Item No. 5.9 / PWD SR 2015-16 with available size stones**	Cum							
	SWD		3x2	8.00	0.60	0.45	12.96		
							12.96	3342.00	**43312.00**
a	Basic rate	4542.00							
b	Deduct cost of available stones 100*10/each	1000.00							
c	Deduct 10 % overhead charges (1000*10%)	100.00							
d	Deduct 10 % contractors profit on B(1000*10%)	100.00							
	Net Rate(a-b-c-d)	**3342.00**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 23 / Item No. 5.9 / PWD SR 2015-16**	Cum							
			3x2	8.00	0.60	0.60	17.28		
							17.28	4905.36	**84765.00**
	Basic rate	4542.00							
	Area Weightage @ 8%	363.36							
	Total	**4905.36**							
5	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6 / PWD SR 2015-16**	Cum							
	for SWD Drain vent		3	8.00	1.80	0.10	4.32		
							4.32	5490.72	**23720.00**
	Basic rate	5084.00							
	Area Weightage @ 8%	406.72							
	Total	**5490.72**							
6	KSRB 15.1.2: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 109 / Item No. 15.2 / PWD SR 2015-16**	Sqm							
	SWD		3x2	8.00		0.90	43.20		
							43.20	96.12	**4152.00**
	Basic rate	89.00							
	Area Weightage @ 8%	7.12							
	Total	**96.12**							
7	Providing **precast slab of 250mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - Data rate	Sqm							
			3	8.00	1.80		43.20		
							43.20	5125.00	**221400.00**
	Basic rate	**5125.00**							
8	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 141 / Item No. 19.1 / PWD SR 2015-16**	Cum							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Desilting of Drains		2	315.00	0.45	0.35	99.23		
			2	300.00	0.45	0.35	94.50		
			2	260.00	0.45	0.35	81.90		
			2	300.00	0.45	0.35	94.50		
			2	285.00	0.45	0.35	89.78		
			2	365.00	0.45	0.35	114.98		
							574.88	83.16	**47807.00**
	Basic rate	77.00							
	Area Weightage @ 8%	6.16							
	Total	**83.16**							
9	KSRB 2-1.1: Earth work in surface excavation in **ordinary soil** for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1, **No. 5 / Item No. 2.1 / PWD SR 2015-16**	Cum							
	Berm Cutting		2	315.00	1.20	0.25	189.00		
			2	300.00	1.20	0.25	180.00		
			2	260.00	1.20	0.25	156.00		
			2	300.00	1.20	0.25	180.00		
			2	285.00	1.20	0.25	171.00		
			2	365.00	1.20	0.25	219.00		
							1095.00	159.84	**175025.00**
	Basic rate	148.00							
	Area Weightage @ 8%	11.84							
	Total	**159.84**							
10	Removing B.S Slab of Drain and stacking **Page No. 25 / Item No. 5.32 / PWD SR 2015-16**	Sqm							
	Desilting of Drains		2	60.00		1.35	162.00		
			2	55.00		1.35	148.50		
			2	70.00		1.35	189.00		
			2	80.00		1.35	216.00		
							715.50	63.72	**45592.00**
	Basic rate	59.00							
	Area Weightage @ 8%	4.72							
	Total	**63.72**							
11	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 25 / Item No. 5.33 / PWD SR 2015-16**	Sqm							
			Qty Vide Item No.				**715.50**	78.84	**56410.00**
	Basic rate	73.00							
	Area Weightage @ 8%	5.84							
	Total	**78.84**							
12	**Lead for Disposal of Debris** shall be payable at carage rates by Mechanical means inlcuding loading and unloading. **From 0.00 to 11.90 Km** (PWD SR Rates P No 139)	Cum							
			Qty. Vide Item No. 1				**1669.88**	106.34	**177569.00**

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 TX 11.90Km X 2.0/km= 30.46	30.46							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
		98.46							
	Area Weightage @ 8%	7.88							
	Total	**106.34**							
	Sub Total								**916136.00**
	8% KRIDL Charges								**73291.00**
	1% Third Party Inspection Charge								**9161.00**
	Miscellaneous and unforeseen charges								**1412.00**
								Total	**1000000.00**
Rupees Ten Lakh(s) Only									

CERTIFICATE :

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2015-16.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

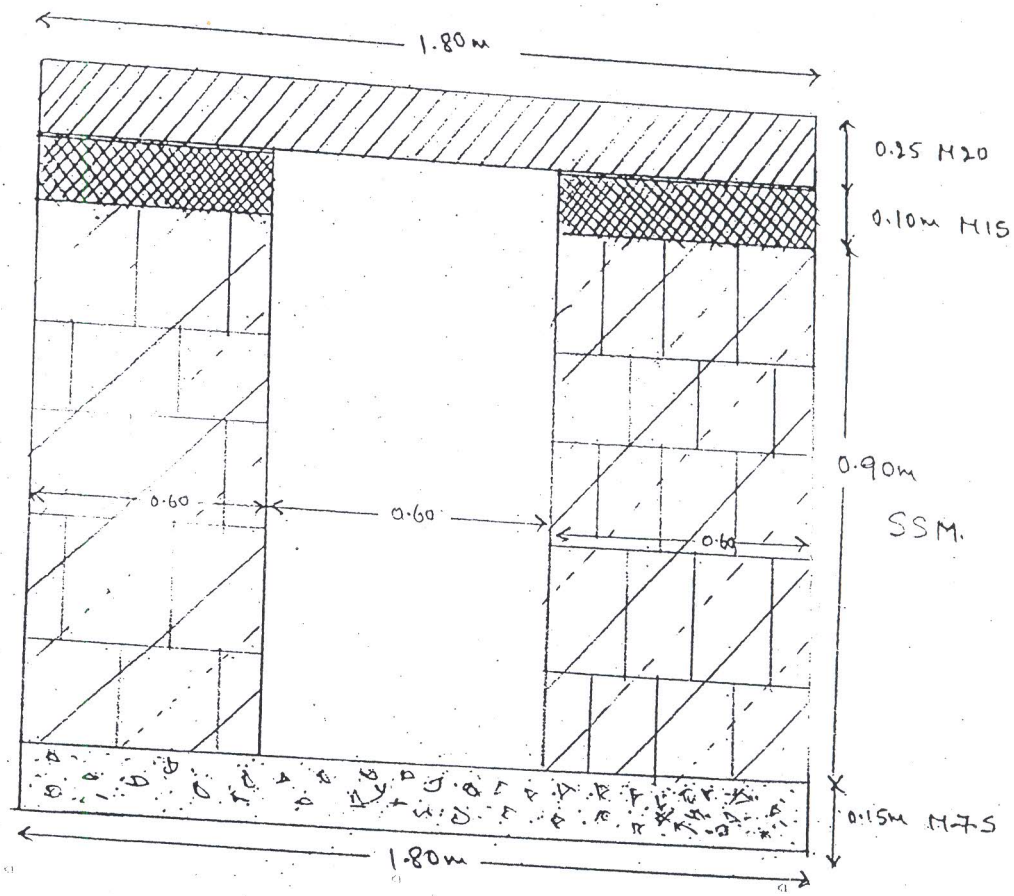
Assistant Engineer
ward No. 11

Assistant Executive Engineer
Vidyaranyapura sub Division
BBMP, Bangalore

Executive Engineer
Byatarayanpura Division
BBMP, Bangalore

ADMINISTRATIVE APPROVAL
Accorded For Rs. 10.00 L
Head of A/c. P-0541
Div. Ref. No. 52/16-17 Date. 02/11/16
AE
EE(BTP)
2/11

TECHNICAL SANCTION
Accorded For Rs. 10.00 L
Head of A/c. P-0541
Div. Ref. No. 65/16-17 Date. 02/11/16
AE
EE(BTP)
2/11



CROSS SECTION OF CULVERT